Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/11/2015 03:11 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123937	-1	5.17	123673	5.17
Blue	F	SSC	125000	123982	-1	2.78	124951	2.53
Blue	E	FITC	17224	16916	-2	2.69	955	9.64
Blue	D	PE	22462	21939	-3	2.18	991	8.94
Blue	B	PerCP-Cy5-5	63940	63218	-2	2.97	1662	14.43
Blue	A	PE-Cy7	72480	71047	-2	4.15	920	27.95
Red	C	APC	63778	63084	-2	2.56	3560	8.01
Red	A	APC-Cy7	97254	95584	-2	2.58	1885	7.90
Violet	B	V450	10730	10208	-5	3.24	634	8.21
Violet	A	V500	42147	41381	-2	2.82	2339	5.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18890	28.77	627	7	N/A	N/A	Pass
Blue	F	SSC	62063	1.70	533	6	N/A	N/A	Pass
Blue	E	FITC	103	38.75	542	3	0.0219	222	Pass
Blue	D	PE	202	27.42	535	3	0.1473	172	Pass
Blue	B	PerCP-Cy5-5	200	44.22	620	6	0.0094	37	Pass
Blue	A	PE-Cy7	66	111.85	679	6	0.0118	9	Pass
Red	C	APC	332	26.96	584	0	0.0220	83	Pass
Red	A	APC-Cy7	118	37.74	565	0	0.0048	720	Pass
Violet	B	V450	67	46.33	473	-1	0.0474	2522	Pass
Violet	A	V500	151	24.02	504	1	0.0131	470	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.23	-31.04	0.70
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.17
Red	15.20	13.09 - 19.63	N/A	N/A	31.53	31.69	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10010

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments